

03/26/01



J1084 U.S. PRO

Express Mail Label No. EL598672951US

3-27-01

A

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)*(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.
END000008US1

Total Pages in this Submission

3

TO THE COMMISSIONER FOR PATENTS

Box Patent Application

Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

METHOD AND STRUCTURE FOR AN ORGANIC PACKAGE WITH IMPROVED BGA LIFE

and invented by:

1) John U. Knickerbocker, 2) Voya R. Markovich, 3) Thomas R. Miller, 4) William J. Rudik

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no. _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no. _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application no. _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 19 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☐ Cross References to Related Applications (if applicable)
 - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
 - d. ☐ Reference to Microfiche Appendix (if applicable)
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings (if applicable)
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

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Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)
a. ☒ Number of Sheets 19
4. ☒ Oath or Declaration
a. ☒ Newly executed (original or copy) ☐ Unexecuted
b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)
c. ☒ With Power of Attorney ☐ Without Power of Attorney
d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (usable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ Computer Program in Microfiche (Appendix)
7. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)
a. ☐ Paper Copy
b. ☐ Computer Readable Copy (identical to computer copy)
c. ☐ Statement Verifying identical Paper and computer Readable Copy

Accompanying Application Parts

8. ☒ Assignment Papers (cover sheet and document(s))
ASSIGNEE NAME: International Business Machines Corporation
ASSIGNEE RESIDENCE: Armonk, New York
9. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
12. ☐ Preliminary Amendment
13. ☒ Acknowledgement postcard
14. ☒ Certificate of Mailing
☐ First Class ☐ Express Mail (Specify Label No.): EL598672951US

NEW UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Additional Enclosures (please identify below):

Information Disclosure Statement, Form PTO-1449 and 10 references

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	34	- 20 =	14	x \$18.00	\$252.00
Indep Claims	6	- 3 =	3	x \$80.00	\$240.00

Multiple Dependent Claims (check if applicable) ☐

\$0.00

BASIC FEE

\$710.00

OTHER FEE (specify purpose) Assignment recordation

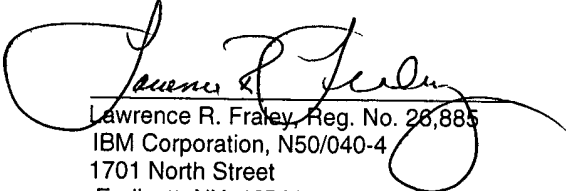
TOTAL FILING FEE

\$1,202.00

- ☐ A check in the amount of _____ to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit IBM Corporation Deposit Account No. 09-0457 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of \$1202.00 as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Date: March 26, 2001

cc:


Lawrence R. Fraley, Reg. No. 26,885
IBM Corporation, N50/040-4
1701 North Street
Endicott, NY 13760

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): John U. Knickerbocker et al.

Docket No.

END000008US1

Serial No.

N/A

Filing Date

Herewith

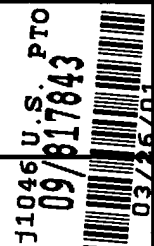
Examiner

N/A

Group Art Unit

N/A

Invention: METHOD AND STRUCTURE FOR AN ORGANIC PACKAGE WITH IMPROVED BGA LIFE



I hereby certify that the following correspondence:

New patent application & IDS w/references

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: The Assistant Commissioner for Patents, Washington, D.C. 20231 on

03/26/01

(Date)

June M. Mitchell

(Typed or Printed Name of Person Mailing Correspondence)

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(Signature of Person Mailing Correspondence)EL598672951US

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